CLAIMS

1. A system for conveying location of an object comprising:

first means for receiving location information regarding said object, said location information including a first coordinate *x*, a second coordinate *y*, and a third coordinate *z*;

second means for correlating said first and second coordinates (*x*,*y*) with a location of an icon in two-dimensional space in an electro-optical display; and

third means for correlating said third coordinate *z* with a size of said icon.

2. The invention of Claim 1 wherein said third coordinate *z* represents altitude.

3. The invention of Claim 1 wherein said first and second coordinates (*x*,*y*) represent latitude and longitude.

4. The invention of Claim 1 wherein said object is an aircraft.

5. The invention of Claim 1 wherein said size of said icon is selected from a limited number of discriminably different sizes.

6. The invention of Claim 1 wherein said third means includes a continuously variable relationship between said icon size and said third coordinate *z*.

7. The invention of Claim 1 wherein said size of said icon is directly correlated with said third coordinate *z*, such that a larger value of said third coordinate *z* correlates with a larger size of said icon.

8. The invention of Claim 1 wherein said size of said icon is inversely, non-linearly, or discontinuously, correlated with said third coordinate *z*: an inverse

correlation is such that a larger value of said third coordinate *z* correlates with a smaller size of said icon.

9. A system for conveying location of an object comprising:

first means for receiving location information regarding said object, said location information including a first coordinate *x*, a second coordinate *y*, and a third coordinate *z*;

second means for correlating said first and second coordinates (*x,y*) with a location of an icon in an electro-optical display; and

third means for correlating said third coordinate *z* with a color or grayscale value of said icon.

10. A system for conveying location of an object comprising:

first means for receiving location information regarding said object, said location information including a first coordinate *x*, a second coordinate *y*, and a third coordinate *z*;

second means for correlating said first and second coordinates (*x,y*) with a location of an icon in an electro-optical display; and

third means for correlating said third coordinate *z* with an intensity (i.e., contrast value) of said icon.

11. A system for conveying location of an object comprising:

first means for receiving location information regarding said object, said location information including a first coordinate *x*, a second coordinate *y*, and a third coordinate *z*;

second means for correlating said first and second coordinates (*x,y*) with a location of an icon in an electro-optical display; and

third means for correlating said third coordinate *z* with a shape of said icon.

12. A system for conveying aircraft altitude to a human observer comprising:

a receiver for receiving latitude, longitude, and altitude information;

a microprocessor;

a memory device;

a display; and

a program for converting said altitude to an icon size, and placing an icon of said icon size at coordinates corresponding to said latitude and longitude in said display.

13. A method for conveying location of an object including the steps of:

receiving location information regarding said object, said location information including a first coordinate x, a second coordinate y, and a third coordinate z;

correlating said first and second coordinates (x,y) with a location of an icon in an electro-optical display; and

correlating said third coordinate z with a size of said icon.